ELSEVIER

Applied Surface Science 228 (2004) I–IV

applied surface science

www.elsevier.com/locate/apsusc

Author Index

Abstreiter, G., see Lee, J.W. 228 (2004) 306
Alfarra, A., E. Frackowiak and F. Béguin, The HSAB concept as a means to interpret the adsorption of metal ions onto activated carbons 228 (2004) 84
Aswal, D.K., see Joshi, N. 228 (2004) 302
Azizi, A., A. Sahari, M.L. Felloussia, G. Schmerber, C. Mény and A. Dinia, Growth and properties of electrodeposited cobalt films on Pt/Si(1 0 0) surface 228 (2004) 320

Baró, A.M., see García-Bordejé, E. 228 (2004) 135
Bechade, J.L., see Goudeau, P. 228 (2004) 151
Béguin, F., see Alfarra, A. 228 (2004) 84
Berçot, P., see Lallemand, F. 228 (2004) 326
Bian, J.M., X.M. Li, T.L. Chen, X.D. Gao and W.D. Yu, Preparation of high quality MgO thin films by ultrasonic spray pyrolysis 228 (2004) 297
Bichler, M., see Lee, J.W. 228 (2004) 306
Boubeker, B., see Goudeau, P. 228 (2004) 151
Bouregba, R., see Desfeux, R. 228 (2004) 34
Brabec, L., and M. Kočiřík, Polycrystalline wafers of silicalite-1 etched by HF acid and viewed by SEM 228 (2004) 1
Brewer, J., A. Burchianti, C. Marinelli, E. Mariotti, L. Moi, K. Rubahn and H.-G. Rubahn, Pulsed laser desorption of alkali atoms from PDMS thin films 228 (2004) 40
Burchianti, A., see Brewer, J. 228 (2004) 40

Cao, L., see Song, W. 228 (2004) 373
Chatain, D., see Monchoux, J.P. 228 (2004) 357
Chen, C.-W., M.-H. Lee and S.J. Clark, Field penetration induced charge redistribution effects on the field emission properties of carbon nanotubes—a first-principle study 228 (2004) 143
Chen, G.X., M.H. Hong, B. Lan, Z.B. Wang, Y.F. Lu and T.C. Chong, A convenient way to prepare magnetic colloids by direct Nd:YAG laser ablation 228 (2004) 169
Chen, H.B., see Wu, K.H. 228 (2004) 285
Chen, H.-Y., S. Han, C.-H. Cheng and H.C. Shih, Effect of argon ion beam voltages on the microstructure of aluminum nitride films prepared at room temperature by a dual ion beam sputtering system 228 (2004) 128
Chen, T.L., see Bian, J.M. 228 (2004) 297
Chen, W., see Xu, Q. 228 (2004) 110
Chen, X.-J., see Wei, Z. 228 (2004) 158
Cheng, C.-H., see Chen, H.-Y. 228 (2004) 128
Cheng, X., see Wang, Y. 228 (2004) 93
Choi, J., H. Morishita and T. Kato, Frictional properties of bilayered mixed lubricant films on an amorphous carbon surface: effect of alkyl chain length and SAM/PFPE portion 228 (2004) 191
Choi, W.K., see Song, W. 228 (2004) 373
Chong, T.C., see Chen, G.X. 228 (2004) 169
Choo, C.-K., M. Tohara, K. Enomoto and K. Tanaka, Pulsed laser ablation of silicon with low laser fluence in a low-pressure of ammonia ambient 228 (2004) 120
Chua, S.J., see Wang, X.C. 228 (2004) 221
Chuu, D.-S., see Fang, T.-H. 228 (2004) 365
Clark, S.J., see Chen, C.-W. 228 (2004) 143
Cui, Z.D., see Wu, S.L. 228 (2004) 17

Da Costa, A., see Desfeux, R. 228 (2004) 34
De Marco, R., see Pejcic, B. 228 (2004) 378
Debnath, A.K., see Joshi, N. 228 (2004) 302
Desfeux, R., A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba, Effect of crystallographic orientation upon switching properties of PZT films measured by electrostatic force microscopy 228 (2004) 34
Ding, H.J., see Wu, Y. 228 (2004) 5
Ding, X.M., see Wu, Y. 228 (2004) 5
Ding, Y., see Micheletto, R. 228 (2004) 265
Dinia, A., see Azizi, A. 228 (2004) 320
Dong, S., see Guo, L. 228 (2004) 53

Enomoto, K., see Choo, C.-K. 228 (2004) 120
Eymery, J.P., see Goudeau, P. 228 (2004) 151

Fang, T.-H., S.-R. Jian and D.-S. Chuu, Nanomechanical properties of TiC, TiN and TiCN thin films using scanning probe microscopy and nanoindentation 228 (2004) 365
Felloussia, M.L., see Azizi, A. 228 (2004) 320
Flambard, A., see Desfeux, R. 228 (2004) 34
Frackowiak, E., see Alfarra, A. 228 (2004) 84
Fujii, A., R. Ochi, S. Kurokawa and A. Sakai, Alloying effects on the $1G_0$ contact of Au 228 (2004) 207
Furukawa, H., see Matsuura, H. 228 (2004) 401

Galindo, J.F., see García-Bordejé, E. 228 (2004) 135

doi:10.1016/S0169-4332(04)00503-3

Gao, X.D., see Bian, J.M. 228 (2004) 297
García-Bordejé, E., M.J. Lázaro, R. Moliner, J.F. Galindo, J. Sotres and A.M. Baró, Morphological characterization of vanadium oxide supported on carbon-coated monoliths using AFM 228 (2004) 135
Garcia, I.T.S., F.C. Zawislak and D. Samios, The effects of nuclear and electronic stopping powers on ion irradiated novolac–diazoquinone films 228 (2004) 63
Goudeau, P., J.L. Bechade, B. Boubeker, P.-O. Renault, A. Serrari and J.P. Eymery, X-ray diffraction analysis of texture modification induced by ion beam irradiation in stainless steel films 228 (2004) 151
Guo, L., J. Liang, S. Dong, Z. Xu and Q. Zhao, Property of carbon nanotube tip for surface topography characterization 228 (2004) 53
Gupta, S.K., see Joshi, N. 228 (2004) 302

Han, S., see Chen, H.-Y. 228 (2004) 128
Hobara, D., see Micheletto, R. 228 (2004) 265
Hong, M.H., see Chen, G.X. 228 (2004) 169
Hong, Y.-P., see Lee, H.-Y. 228 (2004) 164
Hou, X.Y., see Wu, Y. 228 (2004) 5
Huang, B., see Liu, X. 228 (2004) 77
Huang, D.-p., see Xu, Q. 228 (2004) 110
Huang, H., H.Y. Zheng and G.C. Lim, Femtosecond laser machining characteristics of Nitinol 228 (2004) 201

Iliescu, M., see Nelea, V. 228 (2004) 346

Jian, S.-R., see Fang, T.-H. 228 (2004) 365
Joshi, N., D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi, Growth of nanocrystalline Pd films on Si (1 1 1) 228 (2004) 302

Kakiuchi, T., see Micheletto, R. 228 (2004) 265
Kato, T., see Choi, J. 228 (2004) 191
Kim, D.-J., see Kim, H.-J. 228 (2004) 100
Kim, H.-J., D.-J. Kim, J.-K. Ryu and S.-S. Pak, Removal of the photoresist (PR) and metallic-polymer in the concave-typed storage node using the excimer laser 228 (2004) 100
Kim, M.T., Kinetics of etching in inductively coupled plasmas 228 (2004) 245
Kim, S.S., see Lee, J.W. 228 (2004) 271
Kim, Y.N., see Rhee, C.K. 228 (2004) 313
Knizikevičius, R., Enhancement of silicon etching rate in XeF_2 ambient in the presence of activated polymer 228 (2004) 227
Ko, K.-H., see Lee, H.-Y. 228 (2004) 164
Kočiřík, M., see Brabec, L. 228 (2004) 1
Kurokawa, S., see Fujii, A. 228 (2004) 207

Lallemand, F., L. Ricq, M. Wery, P. Berçot and J. Pagetti, The influence of organic additives on the electrodeposition of iron-group metals and binary alloy from sulfate electrolyte 228 (2004) 326
Lan, B., see Chen, G.X. 228 (2004) 169
Lázaro, M.J., see García-Bordejé, E. 228 (2004) 135
Lee, B.-T., see Lee, J.W. 228 (2004) 271
Lee, C.J., G. Pezzotti, Y. Okui and S. Nishino, Raman microprobe mapping of residual microstresses in 3C-SiC film epitaxial lateral grown on patterned Si(1 1 1) 228 (2004) 10
Lee, H.-Y., Y.-C. Lee, Y.-P. Hong and K.-H. Ko, Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate 228 (2004) 164
Lee, J.W., D. Schuh, M. Bichler and G. Abstreiter, Advanced study of various characteristics found in RHEED patterns during the growth of InAs quantum dots on GaAs (0 0 1) substrate by molecular beam epitaxy 228 (2004) 306
Lee, J.W., S.S. Kim, B.-T. Lee and J.H. Moon, Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides 228 (2004) 271
Lee, M.-H., see Chen, C.-W. 228 (2004) 143
Lee, W.-J., and H.-S. Park, Development of novel process for Ru CMP using ceric ammonium nitrate (CAN)-containing nitric acid 228 (2004) 410
Lee, Y.-C., see Lee, H.-Y. 228 (2004) 164
Legrand, C., see Desfeux, R. 228 (2004) 34
Lei, W., see Liu, M. 228 (2004) 277
Li, A., see Zhang, L. 228 (2004) 48
Li, F., see Liu, X. 228 (2004) 77
Li, H.Y., see Wu, K.H. 228 (2004) 285
Li, X.B., see Wu, Y. 228 (2004) 5
Li, X.M., see Bian, J.M. 228 (2004) 297
Liang, H.C., see Rong, M.Z. 228 (2004) 176
Liang, J., see Guo, L. 228 (2004) 53
Lim, G.C., see Huang, H. 228 (2004) 201
Lim, G.C., see Wang, X.C. 228 (2004) 221
Lin, S., see Mao, C. 228 (2004) 26
Lin, Z., see Wang, Y. 228 (2004) 93
Liu, J., see Wang, R.J. 228 (2004) 405
Liu, M., X. Zhang, W. Lei, B. Wang and Q. Wang, Numerical analysis for charge accumulation on the chunnel of field emission devices 228 (2004) 277
Liu, W., see Wang, X.C. 228 (2004) 221
Liu, X., Y. Xia, F. Li, Z. Tan, M. Zhao, X. Xu and B. Huang, Electronic stopping powers for fluorine ions in $^{19}F^{+}$-implanted potassium titanyl arsenate 228 (2004) 77
Liu, Y., and Q. Zhao, Study of electroless Ni–Cu–P coatings and their anti-corrosion properties 228 (2004) 57
Liu, Y., see Wu, Y. 228 (2004) 5
Lu, Y.F., see Chen, G.X. 228 (2004) 169

Mao, C., C. Zhang, Y. Qiu, A. Zhu, J. Shen and S. Lin, Introduction of anticoagulation group to polypropylene film by radiation grafting and its blood compatibility 228 (2004) 26
Marinelli, C., see Brewer, J. 228 (2004) 40
Mariotti, E., see Brewer, J. 228 (2004) 40

Matsuo, S., N. Sakaguchi, K. Yamada, T. Matsuo and H. Wakita, Role in photocatalysis and coordination structure of metal ions adsorbed on titanium dioxide particles: a comparison between lanthanide and iron ions 228 (2004) 233
Matsuo, T., see Matsuo, S. 228 (2004) 233
Matsuura, H., T. Tanikawa and H. Furukawa, Application of the electromeniscus phenomenon to carbon nanotube erection and surface modification 228 (2004) 401
Mény, C., see Azizi, A. 228 (2004) 320
Micheletto, R., M. Yokokawa, M. Schroeder, D. Hobara, Y. Ding and T. Kakiuchi, Real time observation of *trans–cis* isomerization on azobenzene SAM induced by optical near field enhancement 228 (2004) 265
Mihailescu, I.N., see Nelea, V. 228 (2004) 346
Moi, L., see Brewer, J. 228 (2004) 40
Moliner, R., see García-Bordejé, E. 228 (2004) 135
Monchoux, J.P., D. Chatain and P. Wynblatt, A study of gallium drops on germanium(111) 228 (2004) 357
Moon, J.H., see Lee, J.W. 228 (2004) 271
Mori, Y., M. Tanemura and S. Tanemura, Surface morphological influence on charging at metal–insulator interface in XPS depth profiling 228 (2004) 292
Morishita, H., see Choi, J. 228 (2004) 191
Morosanu, C., see Nelea, V. 228 (2004) 346

Nelea, V., C. Morosanu, M. Iliescu and I.N. Mihailescu, Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study 228 (2004) 346
Ng, F.L., see Wang, X.C. 228 (2004) 221
Nieszporek, K., Theoretical studies on mixed-gas adsorption equlibria and accompanying enthalpic effects by using rectangular adsorption energy distribution function 228 (2004) 334
Nishino, S., see Lee, C.J. 228 (2004) 10
Noréus, D., see Rönnebro, E. 228 (2004) 115

Obbard, E.G., see Wu, Y. 228 (2004) 5
Ochi, R., see Fujii, A. 228 (2004) 207
Okui, Y., see Lee, C.J. 228 (2004) 10

Pagetti, J., see Lallemand, F. 228 (2004) 326
Pak, S.-S., see Kim, H.-J. 228 (2004) 100
Park, H.-S., see Lee, W.-J. 228 (2004) 410
Patrikar, R.M., Modeling and simulation of surface roughness 228 (2004) 213
Pejcic, B., and R. De Marco, Characterization of an $AgBr–Ag_2S–As_2S_3–HgI_2$ ion-selective electrode membrane: a X-ray photoelectron and impedance spectroscopy approach 228 (2004) 378
Pezzotti, G., see Lee, C.J. 228 (2004) 10
Poullain, G., see Desfeux, R. 228 (2004) 34

Qian, Y.Y., see Wang, R.J. 228 (2004) 405
Qiu, Y., see Mao, C. 228 (2004) 26

Renault, P.-O., see Goudeau, P. 228 (2004) 151
Rhee, C.K., and Y.N. Kim, Structural evolution of self-assembled monolayer of 1-mercapto-2-propanol on Au(1 1 1) in a N_2 flow: an electrochemical and STM study 228 (2004) 313
Ricq, L., see Lallemand, F. 228 (2004) 326
Rong, M.Z., M.Q. Zhang, H.C. Liang and H.M. Zeng, Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices 228 (2004) 176
Rönnebro, E., and D. Noréus, Surface sensitivity of Mg_2NiH_4 leading to a profound color change 228 (2004) 115
Rubahn, H.-G., see Brewer, J. 228 (2004) 40
Rubahn, K., see Brewer, J. 228 (2004) 40
Ryu, J.-K., see Kim, H.-J. 228 (2004) 100

Sahari, A., see Azizi, A. 228 (2004) 320
Sakaguchi, N., see Matsuo, S. 228 (2004) 233
Sakai, A., see Fujii, A. 228 (2004) 207
Samios, D., see Garcia, I.T.S. 228 (2004) 63
Schmerber, G., see Azizi, A. 228 (2004) 320
Schroeder, M., see Micheletto, R. 228 (2004) 265
Schuh, D., see Lee, J.W. 228 (2004) 306
Serrari, A., see Goudeau, P. 228 (2004) 151
Shen, J., see Mao, C. 228 (2004) 26
Shih, H.C., see Chen, H.-Y. 228 (2004) 128
So, S.K., see Song, W. 228 (2004) 373
Song, W., S.K. So, K.W. Wong, W.K. Choi and L. Cao, Study of lithium fluoride/tris (8-hydroxyquinolino)-aluminum interfacial chemistry using XPS and ToF-SIMS 228 (2004) 373
Sotres, J., see García-Bordejé, E. 228 (2004) 135

Tan, Z., see Liu, X. 228 (2004) 77
Tanaka, K., see Choo, C.-K. 228 (2004) 120
Tanemura, M., see Mori, Y. 228 (2004) 292
Tanemura, S., see Mori, Y. 228 (2004) 292
Tanikawa, T., see Matsuura, H. 228 (2004) 401
Tohara, M., see Choo, C.-K. 228 (2004) 120
Tondelier, D., see Desfeux, R. 228 (2004) 34

Wakita, H., see Matsuo, S. 228 (2004) 233
Wang, B., see Liu, M. 228 (2004) 277
Wang, B.-t., see Xu, Q. 228 (2004) 110
Wang, H., see Xu, Q. 228 (2004) 110
Wang, J., see Zhang, L. 228 (2004) 48
Wang, Q., see Liu, M. 228 (2004) 277
Wang, R.J., Y.Y. Qian and J. Liu, Structural and interfacial analysis of WC92–Co8 coating deposited on titanium alloy by electrospark deposition 228 (2004) 405
Wang, X.C., G.C. Lim, H.Y. Zheng, F.L. Ng, W. Liu and S.J. Chua, Femtosecond pulse laser ablation of sapphire in ambient air 228 (2004) 221
Wang, X.K., see Zhao, L.Y. 228 (2004) 257
Wang, X.Z., see Wu, Y. 228 (2004) 5
Wang, Y., Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou, Study of HfO_2 thin films prepared by electron beam evaporation 228 (2004) 93

Wang, Z.B., see Chen, G.X. 228 (2004) 169
Wei, Z., C.-K. Xu, X.-J. Chen and K.-Z. Xu, Single short voltage pulse induced superstructure on the graphite surface 228 (2004) 158
Wery, M., see Lallemand, F. 228 (2004) 326
Wong, K.W., see Song, W. 228 (2004) 373
Wu, K.H., H.Y. Li, C.C. Yang and H.B. Chen, Effect of pH on the EPR properties of NiZn ferrite/SiO_2 nanocomposite 228 (2004) 285
Wu, N.Z., see Zhao, L.Y. 228 (2004) 257
Wu, S.L., Z.D. Cui, G.X. Zhao, M.L. Yan, S.L. Zhu and X.J. Yang, EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion 228 (2004) 17
Wu, Y., Y. Liu, X.M. Ding, E.G. Obbard, X.Z. Wang, H.J. Ding, X.Y. Hou and X.B. Li, Passivation of GaAs field-effect transistors in diluted S_2Cl_2 solution 228 (2004) 5
Wynblatt, P., see Monchoux, J.P. 228 (2004) 357

Xia, Y., see Liu, X. 228 (2004) 77
Xiao, H., see Wang, Y. 228 (2004) 93
Xie, W., see Zhang, L. 228 (2004) 48
Xie, Y.C., see Zhao, L.Y. 228 (2004) 257
Xie, Y.N., see Zhao, L.Y. 228 (2004) 257
Xing, H., see Zhang, L. 228 (2004) 48
Xu, C.-K., see Wei, Z. 228 (2004) 158
Xu, K.-Z., see Wei, Z. 228 (2004) 158
Xu, Q., D.-p. Huang, W. Chen, H. Wang, B.-t. Wang and R.-z. Yuan, X-ray photoelectron spectroscopy investigation on chemical states of oxygen on surfaces of mixed electronic–ionic conducting $La_{0.6}Sr_{0.4}Co_{1-y}Fe_yO_3$ ceramics 228 (2004) 110
Xu, X., see Liu, X. 228 (2004) 77
Xu, Z., see Guo, L. 228 (2004) 53

Yakhmi, J.V., see Joshi, N. 228 (2004) 302
Yamada, K., see Matsuo, S. 228 (2004) 233
Yan, M.L., see Wu, S.L. 228 (2004) 17
Yang, C.C., see Wu, K.H. 228 (2004) 285
Yang, P.C., see Zhao, L.Y. 228 (2004) 257
Yang, X.J., see Wu, S.L. 228 (2004) 17
Yokokawa, M., see Micheletto, R. 228 (2004) 265
Yu, W.D., see Bian, J.M. 228 (2004) 297
Yuan, R.-z., see Xu, Q. 228 (2004) 110

Zawislak, F.C., see Garcia, I.T.S. 228 (2004) 63
Zeng, H.M., see Rong, M.Z. 228 (2004) 176
Zhang, C., see Mao, C. 228 (2004) 26
Zhang, F., see Wang, Y. 228 (2004) 93
Zhang, L., W. Xie, J. Wang, A. Li, H. Xing, W. Zheng and Y. Zhang, Thermal annealing in FHD Ge-doped SiO_2 film for applications in optical waveguides 228 (2004) 48
Zhang, M.Q., see Rong, M.Z. 228 (2004) 176
Zhang, X., see Liu, M. 228 (2004) 277
Zhang, Y., see Zhang, L. 228 (2004) 48
Zhao, G.X., see Wu, S.L. 228 (2004) 17
Zhao, L.Y., P.C. Yang, X.K. Wang, Y.N. Xie, N.Z. Wu and Y.C. Xie, Study of surface copper species of TiO_2-supported CuO catalyst by ReflEXAFS 228 (2004) 257
Zhao, M., see Liu, X. 228 (2004) 77
Zhao, Q., see Guo, L. 228 (2004) 53
Zhao, Q., see Liu, Y. 228 (2004) 57
Zheng, H.Y., see Huang, H. 228 (2004) 201
Zheng, H.Y., see Wang, X.C. 228 (2004) 221
Zheng, W., see Zhang, L. 228 (2004) 48
Zhu, A., see Mao, C. 228 (2004) 26
Zhu, S.L., see Wu, S.L. 228 (2004) 17
Zou, S., see Wang, Y. 228 (2004) 93

ELSEVIER

Applied Surface Science 228 (2004) V–XVII

applied surface science

www.elsevier.com/locate/apsusc

Subject Index

Ablation

A convenient way to prepare magnetic colloids by direct Nd:YAG laser ablation, G.X. Chen, M.H. Hong, B. Lan, Z.B. Wang, Y.F. Lu and T.C. Chong 228 (2004) 169

Femtosecond pulse laser ablation of sapphire in ambient air, X.C. Wang, G.C. Lim, H.Y. Zheng, F.L. Ng, W. Liu and S.J. Chua 228 (2004) 221

Alkali metals

Pulsed laser desorption of alkali atoms from PDMS thin films, J. Brewer, A. Burchianti, C. Marinelli, E. Mariotti, L. Moi, K. Rubahn and H.-G. Rubahn 228 (2004) 40

Electronic stopping powers for fluorine ions in $^{19}F^{+}$-implanted potassium titanyl arsenate, X. Liu, Y. Xia, F. Li, Z. Tan, M. Zhao, X. Xu and B. Huang 228 (2004) 77

Alloys

Femtosecond laser machining characteristics of Nitinol, H. Huang, H.Y. Zheng and G.C. Lim 228 (2004) 201

Alloying effects on the $1G_0$ contact of Au, A. Fujii, R. Ochi, S. Kurokawa and A. Sakai 228 (2004) 207

The influence of organic additives on the electrodeposition of iron-group metals and binary alloy from sulfate electrolyte, F. Lallemand, L. Ricq, M. Wery, P. Berçot and J. Pagetti 228 (2004) 326

Aluminium

Effect of argon ion beam voltages on the microstructure of aluminum nitride films prepared at room temperature by a dual ion beam sputtering system, H.-Y. Chen, S. Han, C.-H. Cheng and H.C. Shih 228 (2004) 128

Study of lithium fluoride/tris(8-hydroxyquinolino)-aluminum interfacial chemistry using XPS and ToF-SIMS, W. Song, S.K. So, K.W. Wong, W.K. Choi and L. Cao 228 (2004) 373

Aluminium oxide

Femtosecond pulse laser ablation of sapphire in ambient air, X.C. Wang, G.C. Lim, H.Y. Zheng, F.L. Ng, W. Liu and S.J. Chua 228 (2004) 221

Ammonia

Development of novel process for Ru CMP using ceric ammonium nitrate (CAN)-containing nitric acid, W.-J. Lee and H.-S. Park 228 (2004) 410

Arsenic

Electronic stopping powers for fluorine ions in $^{19}F^{+}$-implanted potassium titanyl arsenate, X. Liu, Y. Xia, F. Li, Z. Tan, M. Zhao, X. Xu and B. Huang 228 (2004) 77

Atomic force microscopy

Effect of crystallographic orientation upon switching properties of PZT films measured by electrostatic force microscopy, R. Desfeux, A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba 228 (2004) 34

Pulsed laser desorption of alkali atoms from PDMS thin films, J. Brewer, A. Burchianti, C. Marinelli, E. Mariotti, L. Moi, K. Rubahn and H.-G. Rubahn 228 (2004) 40

Property of carbon nanotube tip for surface topography characterization, L. Guo, J. Liang, S. Dong, Z. Xu and Q. Zhao 228 (2004) 53

Study of HfO_2 thin films prepared by electron beam evaporation, Y. Wang, Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou 228 (2004) 93

Effect of argon ion beam voltages on the microstructure of aluminum nitride films prepared at room temperature by a dual ion beam sputtering system, H.-Y. Chen, S. Han, C.-H. Cheng and H.C. Shih 228 (2004) 128

Morphological characterization of vanadium oxide supported on carbon-coated monoliths using AFM, E. García-Bordejé, M.J.

doi:10.1016/S0169-4332(04)00504-5

Lázaro, R. Moliner, J.F. Galindo, J. Sotres and A.M. Baró 228 (2004) 135
Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides, J.W. Lee, S.S. Kim, B.-T. Lee and J.H. Moon 228 (2004) 271
Surface morphological influence on charging at metal–insulator interface in XPS depth profiling, Y. Mori, M. Tanemura and S. Tanemura 228 (2004) 292
Growth of nanocrystalline Pd films on Si (1 1 1), N. Joshi, D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi 228 (2004) 302
Growth and properties of electrodeposited cobalt films on Pt/Si(1 0 0) surface, A. Azizi, A. Sahari, M.L. Felloussia, G. Schmerber, C. Mény and A. Dinia 228 (2004) 320
Development of novel process for Ru CMP using ceric ammonium nitrate (CAN)-containing nitric acid, W.-J. Lee and H.-S. Park 228 (2004) 410

Auger electron spectroscopy

Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164
A study of gallium drops on germanium(111), J.P. Monchoux, D. Chatain and P. Wynblatt 228 (2004) 357

Benzene

Real time observation of *trans–cis* isomerization on azobenzene SAM induced by optical near field enhancement, R. Micheletto, M. Yokokawa, M. Schroeder, D. Hobara, Y. Ding and T. Kakiuchi 228 (2004) 265

Cadmium sulphide

Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176

Calorimetry

Surface sensitivity of Mg_2NiH_4 leading to a profound color change, E. Rönnebro and D. Noréus 228 (2004) 115

Carbides

Structural and interfacial analysis of WC92–Co8 coating deposited on titanium alloy by electrospark deposition, R.J. Wang, Y.Y. Qian and J. Liu 228 (2004) 405

Carbon

Property of carbon nanotube tip for surface topography characterization, L. Guo, J. Liang, S. Dong, Z. Xu and Q. Zhao 228 (2004) 53
The HSAB concept as a means to interpret the adsorption of metal ions onto activated carbons, A. Alfarra, E. Frackowiak and F. Béguin 228 (2004) 84
Morphological characterization of vanadium oxide supported on carbon-coated monoliths using AFM, E. García-Bordejé, M.J. Lázaro, R. Moliner, J.F. Galindo, J. Sotres and A.M. Baró 228 (2004) 135
Frictional properties of bilayered mixed lubricant films on an amorphous carbon surface: effect of alkyl chain length and SAM/PFPE portion, J. Choi, H. Morishita and T. Kato 228 (2004) 191
Application of the electromeniscus phenomenon to carbon nanotube erection and surface modification, H. Matsuura, T. Tanikawa and H. Furukawa 228 (2004) 401

Carbon dioxide

EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion, S.L. Wu, Z.D. Cui, G.X. Zhao, M.L. Yan, S.L. Zhu and X.J. Yang 228 (2004) 17

Catalysis

Role in photocatalysis and coordination structure of metal ions adsorbed on titanium dioxide particles: a comparison between lanthanide and iron ions, S. Matsuo, N. Sakaguchi, K. Yamada, T. Matsuo and H. Wakita 228 (2004) 233

Ceramics

X-ray photoelectron spectroscopy investigation on chemical states of oxygen on surfaces of mixed electronic–ionic conducting $La_{0.6}Sr_{0.4}Co_{1-y}Fe_yO_3$ ceramics, Q. Xu, D.-p. Huang, W. Chen, H. Wang, B.-t. Wang and R.-z. Yuan 228 (2004) 110

Cerium

Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164

Chemical vapor deposition

Raman microprobe mapping of residual microstresses in 3C-SiC film epitaxial lateral grown on patterned Si(1 1 1), C.J. Lee, G. Pezzotti, Y. Okui and S. Nishino 228 (2004) 10
Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides, J.W. Lee, S.S. Kim, B.-T. Lee and J.H. Moon 228 (2004) 271

Chromium

Surface morphological influence on charging at metal–insulator interface in XPS depth profiling, Y. Mori, M. Tanemura and S. Tanemura 228 (2004) 292

Clusters

Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176

Cobalt

X-ray photoelectron spectroscopy investigation on chemical states of oxygen on surfaces of mixed electronic–ionic conducting $La_{0.6}Sr_{0.4}Co_{1-y}Fe_yO_3$ ceramics, Q. Xu, D.-p. Huang, W. Chen, H. Wang, B.-t. Wang and R.-z. Yuan 228 (2004) 110
A convenient way to prepare magnetic colloids by direct Nd:YAG laser ablation, G.X. Chen, M.H. Hong, B. Lan, Z.B. Wang, Y.F. Lu and T.C. Chong 228 (2004) 169
Growth and properties of electrodeposited cobalt films on Pt/Si(1 0 0) surface, A. Azizi, A. Sahari, M.L. Felloussia, G. Schmerber, C. Mény and A. Dinia 228 (2004) 320
The influence of organic additives on the electrodeposition of iron-group metals and binary alloy from sulfate electrolyte, F. Lallemand, L. Ricq, M. Wery, P. Berçot and J. Pagetti 228 (2004) 326
Structural and interfacial analysis of WC92–Co8 coating deposited on titanium alloy by electrospark deposition, R.J. Wang, Y.Y. Qian and J. Liu 228 (2004) 405

Computer simulations

Modeling and simulation of surface roughness, R.M. Patrikar 228 (2004) 213

Copper

Alloying effects on the $1G_0$ contact of Au, A. Fujii, R. Ochi, S. Kurokawa and A. Sakai 228 (2004) 207
Study of surface copper species of TiO_2-supported CuO catalyst by ReflEXAFS, L.Y. Zhao, P.C. Yang, X.K. Wang, Y.N. Xie, N.Z. Wu and Y.C. Xie 228 (2004) 257

Corrosion

EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion, S.L. Wu, Z.D. Cui, G.X. Zhao, M.L. Yan, S.L. Zhu and X.J. Yang 228 (2004) 17

Depth profiling

Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164
Surface morphological influence on charging at metal–insulator interface in XPS depth profiling, Y. Mori, M. Tanemura and S. Tanemura 228 (2004) 292

Elastic recoil detection

The effects of nuclear and electronic stopping powers on ion irradiated novolac–diazoquinone films, I.T.S. Garcia, F.C. Zawislak and D. Samios 228 (2004) 63

Electrical properties

Passivation of GaAs field-effect transistors in diluted S_2Cl_2 solution, Y. Wu, Y. Liu, X.M. Ding, E.G. Obbard, X.Z. Wang, H.J. Ding, X.Y. Hou and X.B. Li 228 (2004) 5
EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion, S.L. Wu, Z.D. Cui, G.X. Zhao, M.L. Yan, S.L. Zhu and X.J. Yang 228 (2004) 17

Electron deposition

The influence of organic additives on the electrodeposition of iron-group metals and binary alloy from sulfate electrolyte, F. Lallemand, L. Ricq, M. Wery, P. Berçot and J. Pagetti 228 (2004) 326

Electron diffraction

Advanced study of various characteristics found in RHEED patterns during the

growth of InAs quantum dots on GaAs (0 0 1) substrate by molecular beam epitaxy, J.W. Lee, D. Schuh, M. Bichler and G. Abstreiter 228 (2004) 306

Electron microscopy

Polycrystalline wafers of silicalite-1 etched by HF acid and viewed by SEM, L. Brabec and M. Kočiřík 228 (2004) 1
EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion, S.L. Wu, Z.D. Cui, G.X. Zhao, M.L. Yan, S.L. Zhu and X.J. Yang 228 (2004) 17
Property of carbon nanotube tip for surface topography characterization, L. Guo, J. Liang, S. Dong, Z. Xu and Q. Zhao 228 (2004) 53
Study of HfO_2 thin films prepared by electron beam evaporation, Y. Wang, Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou 228 (2004) 93
Removal of the photoresist (PR) and metallic-polymer in the concave-typed storage node using the excimer laser, H.-J. Kim, D.-J. Kim, J.-K. Ryu and S.-S. Pak 228 (2004) 100
Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164
A convenient way to prepare magnetic colloids by direct Nd:YAG laser ablation, G.X. Chen, M.H. Hong, B. Lan, Z.B. Wang, Y.F. Lu and T.C. Chong 228 (2004) 169
Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176
Femtosecond laser machining characteristics of Nitinol, H. Huang, H.Y. Zheng and G.C. Lim 228 (2004) 201
Femtosecond pulse laser ablation of sapphire in ambient air, X.C. Wang, G.C. Lim, H.Y. Zheng, F.L. Ng, W. Liu and S.J. Chua 228 (2004) 221
Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides, J.W. Lee, S.S. Kim, B.-T. Lee and J.H. Moon 228 (2004) 271
Effect of pH on the EPR properties of NiZn ferrite/SiO_2 nanocomposite, K.H. Wu, H.Y. Li, C.C. Yang and H.B. Chen 228 (2004) 285
Preparation of high quality MgO thin films by ultrasonic spray pyrolysis, J.M. Bian, X.M. Li, T.L. Chen, X.D. Gao and W.D. Yu 228 (2004) 297
Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study, V. Nelea, C. Morosanu, M. Iliescu and I.N. Mihailescu 228 (2004) 346
A study of gallium drops on germanium(111), J.P. Monchoux, D. Chatain and P. Wynblatt 228 (2004) 357
Characterization of an AgBr–Ag_2S–As_2S_3–HgI_2 ion-selective electrode membrane: a X-ray photoelectron and impedance spectroscopy approach, B. Pejcic and R. De Marco 228 (2004) 378
Application of the electromeniscus phenomenon to carbon nanotube erection and surface modification, H. Matsuura, T. Tanikawa and H. Furukawa 228 (2004) 401
Structural and interfacial analysis of WC92–Co8 coating deposited on titanium alloy by electrospark deposition, R.J. Wang, Y.Y. Qian and J. Liu 228 (2004) 405
Development of novel process for Ru CMP using ceric ammonium nitrate (CAN)-containing nitric acid, W.-J. Lee and H.-S. Park 228 (2004) 410

Epitaxy

Raman microprobe mapping of residual microstresses in 3C-SiC film epitaxial lateral grown on patterned Si(1 1 1), C.J. Lee, G. Pezzotti, Y. Okui and S. Nishino 228 (2004) 10

Etching

Polycrystalline wafers of silicalite-1 etched by HF acid and viewed by SEM, L. Brabec and M. Kočiřík 228 (2004) 1
Enhancement of silicon etching rate in XeF_2 ambient in the presence of activated polymer, R. Knizikevičius 228 (2004) 227
Kinetics of etching in inductively coupled plasmas, M.T. Kim 228 (2004) 245

Evaporation

Study of HfO_2 thin films prepared by electron beam evaporation, Y. Wang, Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou 228 (2004) 93
Growth of nanocrystalline Pd films on Si (1 1 1), N. Joshi, D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi 228 (2004) 302

Ferrites

Effect of pH on the EPR properties of NiZn ferrite/SiO_2 nanocomposite, K.H. Wu, H.Y. Li, C.C. Yang and H.B. Chen 228 (2004) 285

Field effects

Passivation of GaAs field-effect transistors in diluted S_2Cl_2 solution, Y. Wu, Y. Liu, X.M. Ding, E.G. Obbard, X.Z. Wang, H.J. Ding, X.Y. Hou and X.B. Li 228 (2004) 5

Field emission

Numerical analysis for charge accumulation on the chunnel of field emission devices, M. Liu, X. Zhang, W. Lei, B. Wang and Q. Wang 228 (2004) 277

Gallium

A study of gallium drops on germanium(111), J.P. Monchoux, D. Chatain and P. Wynblatt 228 (2004) 357

Gallium arsenide

Passivation of GaAs field-effect transistors in diluted S_2Cl_2 solution, Y. Wu, Y. Liu, X.M. Ding, E.G. Obbard, X.Z. Wang, H.J. Ding, X.Y. Hou and X.B. Li 228 (2004) 5

Advanced study of various characteristics found in RHEED patterns during the growth of InAs quantum dots on GaAs (0 0 1) substrate by molecular beam epitaxy, J.W. Lee, D. Schuh, M. Bichler and G. Abstreiter 228 (2004) 306

Germanium

Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides, J.W. Lee, S.S. Kim, B.-T. Lee and J.H. Moon 228 (2004) 271

A study of gallium drops on germanium(111), J.P. Monchoux, D. Chatain and P. Wynblatt 228 (2004) 357

Glass

Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides, J.W. Lee, S.S. Kim, B.-T. Lee and J.H. Moon 228 (2004) 271

Gold

Alloying effects on the $1G_0$ contact of Au, A. Fujii, R. Ochi, S. Kurokawa and A. Sakai 228 (2004) 207

Structural evolution of self-assembled monolayer of 1-mercapto-2-propanol on Au(1 1 1) in a N_2 flow: an electrochemical and STM study, C.K. Rhee and Y.N. Kim 228 (2004) 313

Graphite

Single short voltage pulse induced superstructure on the graphite surface, Z. Wei, C.-K. Xu, X.-J. Chen and K.-Z. Xu 228 (2004) 158

Hafnium

Study of HfO_2 thin films prepared by electron beam evaporation, Y. Wang, Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou 228 (2004) 93

Halogenides

Polycrystalline wafers of silicalite-1 etched by HF acid and viewed by SEM, L. Brabec and M. Kočiřík 228 (2004) 1

Enhancement of silicon etching rate in XeF_2 ambient in the presence of activated polymer, R. Knizikevičius 228 (2004) 227

Study of lithium fluoride/tris(8-hydroxyquinolino)-aluminum interfacial chemistry using XPS and ToF-SIMS, W. Song, S.K. So, K.W. Wong, W.K. Choi and L. Cao 228 (2004) 373

Characterization of an $AgBr–Ag_2S–As_2S_3–HgI_2$ ion-selective electrode membrane: a X-ray photoelectron and impedance spectroscopy approach, B. Pejcic and R. De Marco 228 (2004) 378

Halogens

Electronic stopping powers for fluorine ions in $^{19}F^+$-implanted potassium titanyl arsenate, X. Liu, Y. Xia, F. Li, Z. Tan, M. Zhao, X. Xu and B. Huang 228 (2004) 77

Hydrides

Surface sensitivity of Mg_2NiH_4 leading to a profound color change, E. Rönnebro and D. Noréus 228 (2004) 115

Hydrocarbons

Frictional properties of bilayered mixed lubricant films on an amorphous carbon surface: effect of alkyl chain length and SAM/PFPE portion, J. Choi, H. Morishita and T. Kato 228 (2004) 191

Structural evolution of self-assembled monolayer of 1-mercapto-2-propanol on Au(1 1 1) in a N_2 flow: an electrochemical and STM study, C.K. Rhee and Y.N. Kim 228 (2004) 313

Indium arsenide

Advanced study of various characteristics found in RHEED patterns during the growth of InAs quantum dots on GaAs (0 0 1) substrate by molecular beam epitaxy, J.W. Lee, D. Schuh, M. Bichler and G. Abstreiter 228 (2004) 306

Infrared spectroscopy

Pulsed laser desorption of alkali atoms from PDMS thin films, J. Brewer, A. Burchianti, C. Marinelli, E. Mariotti, L. Moi, K. Rubahn and H.-G. Rubahn 228 (2004) 40

The effects of nuclear and electronic stopping powers on ion irradiated novolac–diazoquinone films, I.T.S. Garcia, F.C. Zawislak and D. Samios 228 (2004) 63

Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176

Interfaces

Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164

Surface morphological influence on charging at metal–insulator interface in XPS depth profiling, Y. Mori, M. Tanemura and S. Tanemura 228 (2004) 292

Ion bombardment

The effects of nuclear and electronic stopping powers on ion irradiated novolac–diazoquinone films, I.T.S. Garcia, F.C. Zawislak and D. Samios 228 (2004) 63

Electronic stopping powers for fluorine ions in $^{19}F^{+}$-implanted potassium titanyl arsenate, X. Liu, Y. Xia, F. Li, Z. Tan, M. Zhao, X. Xu and B. Huang 228 (2004) 77

X-ray diffraction analysis of texture modification induced by ion beam irradiation in stainless steel films, P. Goudeau, J.L. Bechade, B. Boubeker, P.-O. Renault, A. Serrari and J.P. Eymery 228 (2004) 151

Ion scattering

Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164

Iron

X-ray photoelectron spectroscopy investigation on chemical states of oxygen on surfaces of mixed electronic–ionic conducting $La_{0.6}Sr_{0.4}Co_{1-y}Fe_yO_3$ ceramics, Q. Xu, D.-p. Huang, W. Chen, H. Wang, B.-t. Wang and R.-z. Yuan 228 (2004) 110

Role in photocatalysis and coordination structure of metal ions adsorbed on titanium dioxide particles: a comparison between lanthanide and iron ions, S. Matsuo, N. Sakaguchi, K. Yamada, T. Matsuo and H. Wakita 228 (2004) 233

The influence of organic additives on the electrodeposition of iron-group metals and binary alloy from sulfate electrolyte, F. Lallemand, L. Ricq, M. Wery, P. Berçot and J. Pagetti 228 (2004) 326

Lanthanum

X-ray photoelectron spectroscopy investigation on chemical states of oxygen on surfaces of mixed electronic–ionic conducting $La_{0.6}Sr_{0.4}Co_{1-y}Fe_yO_3$ ceramics, Q. Xu, D.-p. Huang, W. Chen, H. Wang, B.-t. Wang and R.-z. Yuan 228 (2004) 110

Role in photocatalysis and coordination structure of metal ions adsorbed on titanium dioxide particles: a comparison between lanthanide and iron ions, S. Matsuo, N. Sakaguchi, K. Yamada, T. Matsuo and H. Wakita 228 (2004) 233

Laser processing

Pulsed laser desorption of alkali atoms from PDMS thin films, J. Brewer, A. Burchianti, C. Marinelli, E. Mariotti, L. Moi, K. Rubahn and H.-G. Rubahn 228 (2004) 40

Removal of the photoresist (PR) and metallic-polymer in the concave-typed storage node using the excimer laser, H.-J. Kim, D.-J. Kim, J.-K. Ryu and S.-S. Pak 228 (2004) 100

A convenient way to prepare magnetic colloids by direct Nd:YAG laser ablation, G.X. Chen, M.H. Hong, B. Lan, Z.B. Wang, Y.F. Lu and T.C. Chong 228 (2004) 169

Femtosecond laser machining characteristics of Nitinol, H. Huang, H.Y. Zheng and G.C. Lim 228 (2004) 201

Femtosecond pulse laser ablation of sapphire in ambient air, X.C. Wang, G.C. Lim, H.Y. Zheng, F.L. Ng, W. Liu and S.J. Chua 228 (2004) 221

Lead

Effect of crystallographic orientation upon switching properties of PZT films measured by electrostatic force microscopy, R. Desfeux, A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba 228 (2004) 34

Lithium

Study of lithium fluoride/tris(8-hydroxyquinolino)-aluminum interfacial chemistry using XPS and ToF-SIMS, W. Song, S.K. So, K.W. Wong, W.K. Choi and L. Cao 228 (2004) 373

Magnesium

Surface sensitivity of Mg_2NiH_4 leading to a profound color change, E. Rönnebro and D. Noréus 228 (2004) 115

Magnesium oxide

Preparation of high quality MgO thin films by ultrasonic spray pyrolysis, J.M. Bian, X.M. Li, T.L. Chen, X.D. Gao and W.D. Yu 228 (2004) 297

Magnetic measurements

Effect of pH on the EPR properties of NiZn ferrite/SiO_2 nanocomposite, K.H. Wu, H.Y. Li, C.C. Yang and H.B. Chen 228 (2004) 285

Growth and properties of electrodeposited cobalt films on Pt/Si(1 0 0) surface, A. Azizi, A. Sahari, M.L. Felloussia, G. Schmerber, C. Mény and A. Dinia 228 (2004) 320

Mercury

Characterization of an $AgBr–Ag_2S–As_2S_3–HgI_2$ ion-selective electrode membrane: a X-ray photoelectron and impedance spectroscopy approach, B. Pejcic and R. De Marco 228 (2004) 378

Molecular beam epitaxy

Advanced study of various characteristics found in RHEED patterns during the growth of InAs quantum dots on GaAs (0 0 1) substrate by molecular beam epitaxy, J.W. Lee, D. Schuh, M. Bichler and G. Abstreiter 228 (2004) 306

Monte carlo simulations

Numerical analysis for charge accumulation on the chunnel of field emission devices, M. Liu, X. Zhang, W. Lei, B. Wang and Q. Wang 228 (2004) 277

Nanostructures

Property of carbon nanotube tip for surface topography characterization, L. Guo, J. Liang, S. Dong, Z. Xu and Q. Zhao 228 (2004) 53

A convenient way to prepare magnetic colloids by direct Nd:YAG laser ablation, G.X. Chen, M.H. Hong, B. Lan, Z.B. Wang, Y.F. Lu and T.C. Chong 228 (2004) 169

Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176

Effect of pH on the EPR properties of NiZn ferrite/SiO_2 nanocomposite, K.H. Wu, H.Y. Li, C.C. Yang and H.B. Chen 228 (2004) 285

Growth of nanocrystalline Pd films on Si (1 1 1), N. Joshi, D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi 228 (2004) 302

Advanced study of various characteristics found in RHEED patterns during the growth of InAs quantum dots on GaAs (0 0 1) substrate by molecular beam epitaxy, J.W. Lee, D. Schuh, M. Bichler and G. Abstreiter 228 (2004) 306

Application of the electromeniscus phenomenon to carbon nanotube erection and surface modification, H. Matsuura, T. Tanikawa and H. Furukawa 228 (2004) 401

Nickel

Surface sensitivity of Mg_2NiH_4 leading to a profound color change, E. Rönnebro and D. Noréus 228 (2004) 115

Femtosecond laser machining characteristics of Nitinol, H. Huang, H.Y. Zheng and G.C. Lim 228 (2004) 201

Effect of pH on the EPR properties of NiZn ferrite/SiO_2 nanocomposite, K.H. Wu, H.Y. Li, C.C. Yang and H.B. Chen 228 (2004) 285

Nitrides

Effect of argon ion beam voltages on the microstructure of aluminum nitride films prepared at room temperature by a dual ion beam sputtering system, H.-Y. Chen, S. Han, C.-H. Cheng and H.C. Shih 228 (2004) 128

Nitrogen

Structural evolution of self-assembled monolayer of 1-mercapto-2-propanol on Au(1 1 1) in a N_2 flow: an electrochemical and STM study, C.K. Rhee and Y.N. Kim 228 (2004) 313

Development of novel process for Ru CMP using ceric ammonium nitrate (CAN)-containing nitric acid, W.-J. Lee and H.-S. Park 228 (2004) 410

Nuclear magnetic resonance

Growth and properties of electrodeposited cobalt films on Pt/Si(1 0 0) surface, A. Azizi, A. Sahari, M.L. Felloussia, G. Schmerber, C. Mény and A. Dinia 228 (2004) 320

Nuclear reaction analysis

Electronic stopping powers for fluorine ions in $^{19}F^{+}$-implanted potassium titanyl arsenate, X. Liu, Y. Xia, F. Li, Z. Tan, M. Zhao, X. Xu and B. Huang 228 (2004) 77

Optical properties

Study of HfO_2 thin films prepared by electron beam evaporation, Y. Wang, Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou 228 (2004) 93

Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176

Organic substances

Study of lithium fluoride/tris(8-hydroxyquinolino)-aluminum interfacial chemistry using XPS and ToF-SIMS, W. Song, S.K. So, K.W. Wong, W.K. Choi and L. Cao 228 (2004) 373

Oxide

Effect of crystallographic orientation upon switching properties of PZT films measured by electrostatic force microscopy, R. Desfeux, A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba 228 (2004) 34

Electronic stopping powers for fluorine ions in $^{19}F^{+}$-implanted potassium titanyl arsenate, X. Liu, Y. Xia, F. Li, Z. Tan, M. Zhao, X. Xu and B. Huang 228 (2004) 77

Study of HfO_2 thin films prepared by electron beam evaporation, Y. Wang, Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou 228 (2004) 93

X-ray photoelectron spectroscopy investigation on chemical states of oxygen on surfaces of mixed electronic–ionic conducting $La_{0.6}Sr_{0.4}Co_{1-y}Fe_yO_3$ ceramics, Q. Xu, D.-p. Huang, W. Chen, H. Wang, B.-t. Wang and R.-z. Yuan 228 (2004) 110

Morphological characterization of vanadium oxide supported on carbon-coated monoliths using AFM, E. García-Bordejé, M.J. Lázaro, R. Moliner, J.F. Galindo, J. Sotres and A.M. Baró 228 (2004) 135

Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164

Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study, V. Nelea, C. Morosanu, M. Iliescu and I.N. Mihailescu 228 (2004) 346

Palladium

Alloying effects on the $1G_0$ contact of Au, A. Fujii, R. Ochi, S. Kurokawa and A. Sakai 228 (2004) 207

Growth of nanocrystalline Pd films on Si (1 1 1), N. Joshi, D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi 228 (2004) 302

Phosphorus

Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study, V. Nelea, C. Morosanu, M. Iliescu and I.N. Mihailescu 228 (2004) 346

Photochemistry

Role in photocatalysis and coordination structure of metal ions adsorbed on titanium dioxide particles: a comparison between lanthanide and iron ions, S. Matsuo, N. Sakaguchi, K. Yamada, T. Matsuo and H. Wakita 228 (2004) 233

Photoelectron spectroscopy

Study of HfO_2 thin films prepared by electron beam evaporation, Y. Wang, Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou 228 (2004) 93

X-ray photoelectron spectroscopy investigation on chemical states of oxygen on surfaces of mixed electronic–ionic conducting $La_{0.6}Sr_{0.4}Co_{1-y}Fe_yO_3$ ceramics, Q. Xu, D.-p. Huang, W. Chen, H. Wang, B.-t. Wang and R.-z. Yuan 228 (2004) 110

Effect of argon ion beam voltages on the microstructure of aluminum nitride films prepared at room temperature by a dual ion beam sputtering system, H.-Y. Chen, S. Han, C.-H. Cheng and H.C. Shih 228 (2004) 128

Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176

Frictional properties of bilayered mixed lubricant films on an amorphous carbon surface: effect of alkyl chain length and SAM/PFPE portion, J. Choi, H. Morishita and T. Kato 228 (2004) 191
Study of surface copper species of TiO_2-supported CuO catalyst by ReflEXAFS, L.Y. Zhao, P.C. Yang, X.K. Wang, Y.N. Xie, N.Z. Wu and Y.C. Xie 228 (2004) 257
Surface morphological influence on charging at metal–insulator interface in XPS depth profiling, Y. Mori, M. Tanemura and S. Tanemura 228 (2004) 292
Growth of nanocrystalline Pd films on Si (1 1 1), N. Joshi, D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi 228 (2004) 302
Characterization of an $AgBr–Ag_2S–As_2S_3–HgI_2$ ion-selective electrode membrane: a X-ray photoelectron and impedance spectroscopy approach, B. Pejcic and R. De Marco 228 (2004) 378
Study of lithium fluoride/tris(8-hydroxyquinolino)-aluminum interfacial chemistry using XPS and ToF-SIMS, W. Song, S.K. So, K.W. Wong, W.K. Choi and L. Cao 228 (2004) 373
Development of novel process for Ru CMP using ceric ammonium nitrate (CAN)-containing nitric acid, W.-J. Lee and H.-S. Park 228 (2004) 410

Plasma processing

Kinetics of etching in inductively coupled plasmas, M.T. Kim 228 (2004) 245
Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides, J.W. Lee, S.S. Kim, B.-T. Lee and J.H. Moon 228 (2004) 271

Platinum

Alloying effects on the $1G_0$ contact of Au, A. Fujii, R. Ochi, S. Kurokawa and A. Sakai 228 (2004) 207
Growth and properties of electrodeposited cobalt films on Pt/Si(1 0 0) surface, A. Azizi, A. Sahari, M.L. Felloussia, G. Schmerber, C. Mény and A. Dinia 228 (2004) 320

Polymers

The effects of nuclear and electronic stopping powers on ion irradiated novolac–diazoquinone films, I.T.S. Garcia, F.C. Zawislak and D. Samios 228 (2004) 63
Removal of the photoresist (PR) and metallic-polymer in the concave-typed storage node using the excimer laser, H.-J. Kim, D.-J. Kim, J.-K. Ryu and S.-S. Pak 228 (2004) 100
Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176
Enhancement of silicon etching rate in XeF_2 ambient in the presence of activated polymer, R. Knizikevičius 228 (2004) 227
Real time observation of *trans–cis* isomerization on azobenzene SAM induced by optical near field enhancement, R. Micheletto, M. Yokokawa, M. Schroeder, D. Hobara, Y. Ding and T. Kakiuchi 228 (2004) 265

Pulsed laser deposition

Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study, V. Nelea, C. Morosanu, M. Iliescu and I.N. Mihailescu 228 (2004) 346

Quantum effects

Surface derivatization of nano-CdS clusters and its effect on the performance of CdS quantum dots in solvents and polymeric matrices, M.Z. Rong, M.Q. Zhang, H.C. Liang and H.M. Zeng 228 (2004) 176
Advanced study of various characteristics found in RHEED patterns during the growth of InAs quantum dots on GaAs (0 0 1) substrate by molecular beam epitaxy, J.W. Lee, D. Schuh, M. Bichler and G. Abstreiter 228 (2004) 306

Radiation damage

The effects of nuclear and electronic stopping powers on ion irradiated novolac–diazoquinone films, I.T.S. Garcia, F.C. Zawislak and D. Samios 228 (2004) 63

Raman scattering

Raman microprobe mapping of residual microstresses in 3C-SiC film epitaxial lateral grown on patterned Si(1 1 1), C.J. Lee, G. Pezzotti, Y. Okui and S. Nishino 228 (2004) 10
The effects of nuclear and electronic stopping powers on ion irradiated novolac–diazoquinone films, I.T.S. Garcia, F.C. Zawislak and D. Samios 228 (2004) 63

Ruthanium

Development of novel process for Ru CMP using ceric ammonium nitrate (CAN)-containing nitric acid, W.-J. Lee and H.-S. Park 228 (2004) 410

Ruthenium

Removal of the photoresist (PR) and metallic-polymer in the concave-typed storage node using the excimer laser, H.-J. Kim, D.-J. Kim, J.-K. Ryu and S.-S. Pak 228 (2004) 100

Scanning probe microscopy

Nanomechanical properties of TiC, TiN and TiCN thin films using scanning probe microscopy and nanoindentation, T.-H. Fang, S.-R. Jian and D.-S. Chuu 228 (2004) 365

Scanning tunneling microscopy

Single short voltage pulse induced superstructure on the graphite surface, Z. Wei, C.-K. Xu, X.-J. Chen and K.-Z. Xu 228 (2004) 158

Real time observation of *trans–cis* isomerization on azobenzene SAM induced by optical near field enhancement, R. Micheletto, M. Yokokawa, M. Schroeder, D. Hobara, Y. Ding and T. Kakiuchi 228 (2004) 265

Structural evolution of self-assembled monolayer of 1-mercapto-2-propanol on Au(1 1 1) in a N_2 flow: an electrochemical and STM study, C.K. Rhee and Y.N. Kim 228 (2004) 313

Secondary ion mass spectroscopy

Study of lithium fluoride/tris(8-hydroxyquinolino)-aluminum interfacial chemistry using XPS and ToF-SIMS, W. Song, S.K. So, K.W. Wong, W.K. Choi and L. Cao 228 (2004) 373

Semiconductors

Passivation of GaAs field-effect transistors in diluted S_2Cl_2 solution, Y. Wu, Y. Liu, X.M. Ding, E.G. Obbard, X.Z. Wang, H.J. Ding, X.Y. Hou and X.B. Li 228 (2004) 5

Silicon

Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164

Enhancement of silicon etching rate in XeF_2 ambient in the presence of activated polymer, R. Knizikevičius 228 (2004) 227

Growth of nanocrystalline Pd films on Si (1 1 1), N. Joshi, D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi 228 (2004) 302

Growth and properties of electrodeposited cobalt films on Pt/Si(1 0 0) surface, A. Azizi, A. Sahari, M.L. Felloussia, G. Schmerber, C. Mény and A. Dinia 228 (2004) 320

Silicon carbide

Raman microprobe mapping of residual microstresses in 3C-SiC film epitaxial lateral grown on patterned Si(1 1 1), C.J. Lee, G. Pezzotti, Y. Okui and S. Nishino 228 (2004) 10

Silicon oxide

Polycrystalline wafers of silicalite-1 etched by HF acid and viewed by SEM, L. Brabec and M. Kočiřík 228 (2004) 1

Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides, J.W. Lee, S.S. Kim, B.-T. Lee and J.H. Moon 228 (2004) 271

Effect of pH on the EPR properties of NiZn ferrite/SiO_2 nanocomposite, K.H. Wu, H.Y. Li, C.C. Yang and H.B. Chen 228 (2004) 285

Surface morphological influence on charging at metal–insulator interface in XPS depth profiling, Y. Mori, M. Tanemura and S. Tanemura 228 (2004) 292

Silver

Characterization of an $AgBr–Ag_2S–As_2S_3–HgI_2$ ion-selective electrode membrane: a X-ray photoelectron and impedance spectroscopy approach, B. Pejcic and R. De Marco 228 (2004) 378

Sputter deposition

Effect of crystallographic orientation upon switching properties of PZT films measured by electrostatic force microscopy, R. Desfeux, A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba 228 (2004) 34

Effect of argon ion beam voltages on the microstructure of aluminum nitride films prepared at room temperature by a dual ion beam sputtering system, H.-Y. Chen, S. Han, C.-H. Cheng and H.C. Shih 228 (2004) 128

X-ray diffraction analysis of texture modification induced by ion beam irradiation in stainless steel films, P. Goudeau, J.L. Bechade, B. Boubeker, P.-O. Renault, A. Serrari and J.P. Eymery 228 (2004) 151

Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164

Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study, V. Nelea, C. Morosanu, M. Iliescu and I.N. Mihailescu 228 (2004) 346

Sputtering

Surface morphological influence on charging at metal–insulator interface in XPS depth profiling, Y. Mori, M. Tanemura and S. Tanemura 228 (2004) 292

Steel

EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion, S.L. Wu, Z.D. Cui, G.X. Zhao, M.L. Yan, S.L. Zhu and X.J. Yang 228 (2004) 17
X-ray diffraction analysis of texture modification induced by ion beam irradiation in stainless steel films, P. Goudeau, J.L. Bechade, B. Boubeker, P.-O. Renault, A. Serrari and J.P. Eymery 228 (2004) 151

Strontium

X-ray photoelectron spectroscopy investigation on chemical states of oxygen on surfaces of mixed electronic–ionic conducting $La_{0.6}Sr_{0.4}Co_{1-y}Fe_yO_3$ ceramics, Q. Xu, D.-p. Huang, W. Chen, H. Wang, B.-t. Wang and R.-z. Yuan 228 (2004) 110

Sulphides

Characterization of an $AgBr–Ag_2S–As_2S_3–HgI_2$ ion-selective electrode membrane: a X-ray photoelectron and impedance spectroscopy approach, B. Pejcic and R. De Marco 228 (2004) 378

Surface morphology

Effect of crystallographic orientation upon switching properties of PZT films measured by electrostatic force microscopy, R. Desfeux, A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba 228 (2004) 34
Surface morphological influence on charging at metal–insulator interface in XPS depth profiling, Y. Mori, M. Tanemura and S. Tanemura 228 (2004) 292

Surface roughness

Modeling and simulation of surface roughness, R.M. Patrikar 228 (2004) 213

Surface thermodynamics

Theoretical studies on mixed-gas adsorption equlibria and accompanying enthalpic effects by using rectangular adsorption energy distribution function 228 (2004) 334

Thin films

Raman microprobe mapping of residual microstresses in 3C-SiC film epitaxial lateral grown on patterned Si(1 1 1), C.J. Lee, G. Pezzotti, Y. Okui and S. Nishino 228 (2004) 10
Effect of crystallographic orientation upon switching properties of PZT films measured by electrostatic force microscopy, R. Desfeux, A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba 228 (2004) 34
Study of HfO_2 thin films prepared by electron beam evaporation, Y. Wang, Z. Lin, X. Cheng, H. Xiao, F. Zhang and S. Zou 228 (2004) 93
X-ray diffraction analysis of texture modification induced by ion beam irradiation in stainless steel films, P. Goudeau, J.L. Bechade, B. Boubeker, P.-O. Renault, A. Serrari and J.P. Eymery 228 (2004) 151
Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164
Ge-doped SiO_2 glass films prepared by plasma enhanced chemical vapor deposition for planar waveguides, J.W. Lee, S.S. Kim, B.-T. Lee and J.H. Moon 228 (2004) 271
Preparation of high quality MgO thin films by ultrasonic spray pyrolysis, J.M. Bian, X.M. Li, T.L. Chen, X.D. Gao and W.D. Yu 228 (2004) 297
Growth of nanocrystalline Pd films on Si (1 1 1), N. Joshi, D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi 228 (2004) 302
Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study, V. Nelea, C. Morosanu, M. Iliescu and I.N. Mihailescu 228 (2004) 346

Time-of-flight techniques

Pulsed laser desorption of alkali atoms from PDMS thin films, J. Brewer, A. Burchianti, C. Marinelli, E. Mariotti, L. Moi, K. Rubahn and H.-G. Rubahn 228 (2004) 40

Titanium

Effect of crystallographic orientation upon switching properties of PZT films measured

by electrostatic force microscopy, R. Desfeux, A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba 228 (2004) 34
Electronic stopping powers for fluorine ions in $^{19}F^{+}$-implanted potassium titanyl arsenate, X. Liu, Y. Xia, F. Li, Z. Tan, M. Zhao, X. Xu and B. Huang 228 (2004) 77
Femtosecond laser machining characteristics of Nitinol, H. Huang, H.Y. Zheng and G.C. Lim 228 (2004) 201
Structural and interfacial analysis of WC92–Co8 coating deposited on titanium alloy by electrospark deposition, R.J. Wang, Y.Y. Qian and J. Liu 228 (2004) 405

Titanium carbide

Nanomechanical properties of TiC, TiN and TiCN thin films using scanning probe microscopy and nanoindentation, T.-H. Fang, S.-R. Jian and D.-S. Chuu 228 (2004) 365

Titanium nitride

Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study, V. Nelea, C. Morosanu, M. Iliescu and I.N. Mihailescu 228 (2004) 346
Nanomechanical properties of TiC, TiN and TiCN thin films using scanning probe microscopy and nanoindentation, T.-H. Fang, S.-R. Jian and D.-S. Chuu 228 (2004) 365

Titanium oxide

Role in photocatalysis and coordination structure of metal ions adsorbed on titanium dioxide particles: a comparison between lanthanide and iron ions, S. Matsuo, N. Sakaguchi, K. Yamada, T. Matsuo and H. Wakita 228 (2004) 233
Study of surface copper species of TiO_2-supported CuO catalyst by ReflEXAFS, L.Y. Zhao, P.C. Yang, X.K. Wang, Y.N. Xie, N.Z. Wu and Y.C. Xie 228 (2004) 257

Titnium

Femtosecond laser machining characteristics of Nitinol, H. Huang, H.Y. Zheng and G.C. Lim 228 (2004) 201

Tribology

Frictional properties of bilayered mixed lubricant films on an amorphous carbon surface: effect of alkyl chain length and SAM/PFPE portion, J. Choi, H. Morishita and T. Kato 228 (2004) 191

Tungsten

Structural and interfacial analysis of WC92–Co8 coating deposited on titanium alloy by electrospark deposition, R.J. Wang, Y.Y. Qian and J. Liu 228 (2004) 405

Vanadium

Morphological characterization of vanadium oxide supported on carbon-coated monoliths using AFM, E. García-Bordejé, M.J. Lázaro, R. Moliner, J.F. Galindo, J. Sotres and A.M. Baró 228 (2004) 135

X-ray absorption

Role in photocatalysis and coordination structure of metal ions adsorbed on titanium dioxide particles: a comparison between lanthanide and iron ions, S. Matsuo, N. Sakaguchi, K. Yamada, T. Matsuo and H. Wakita 228 (2004) 233

X-ray diffraction

Surface sensitivity of Mg_2NiH_4 leading to a profound color change, E. Rönnebro and D. Noréus 228 (2004) 115
Effect of argon ion beam voltages on the microstructure of aluminum nitride films prepared at room temperature by a dual ion beam sputtering system, H.-Y. Chen, S. Han, C.-H. Cheng and H.C. Shih 228 (2004) 128
X-ray diffraction analysis of texture modification induced by ion beam irradiation in stainless steel films, P. Goudeau, J.L. Bechade, B. Boubeker, P.-O. Renault, A. Serrari and J.P. Eymery 228 (2004) 151
Interfacial reactions between RF sputtered CeO_2 film and Si(1 0 0) substrate, H.-Y. Lee, Y.-C. Lee, Y.-P. Hong and K.-H. Ko 228 (2004) 164
Preparation of high quality MgO thin films by ultrasonic spray pyrolysis, J.M. Bian, X.M. Li, T.L. Chen, X.D. Gao and W.D. Yu 228 (2004) 297
Growth of nanocrystalline Pd films on Si (1 1 1), N. Joshi, D.K. Aswal, A.K. Debnath, S.K. Gupta and J.V. Yakhmi 228 (2004) 302
Growth and properties of electrodeposited cobalt films on Pt/Si(1 0 0) surface, A. Azizi, A. Sahari, M.L. Felloussia, G. Schmerber, C. Mény and A. Dinia 228 (2004) 320
Hydroxyapatite thin films grown by pulsed laser deposition and radio-frequency magnetron sputtering: comparative study, V.

Nelea, C. Morosanu, M. Iliescu and I.N. Mihailescu 228 (2004) 346

Zinc

Effect of pH on the EPR properties of NiZn ferrite/SiO_2 nanocomposite, K.H. Wu, H.Y. Li, C.C. Yang and H.B. Chen 228 (2004) 285

Zirconium

Effect of crystallographic orientation upon switching properties of PZT films measured by electrostatic force microscopy, R. Desfeux, A. Da Costa, A. Flambard, C. Legrand, D. Tondelier, G. Poullain and R. Bouregba 228 (2004) 34